

## STRAND COATING DEVICE AND METHOD

### Abstract

[0070] Continuous void-free uniform coatings are formed on filamentous articles by  
5 applying a voided or otherwise substantially uneven coating to at least some of the  
exposed portion of a filamentous article or to a rotating substrate. The filamentous article  
or substrate is passed through an improvement station containing a plurality of coating-  
wetted rolls that contact and re-contact the wet coating at different positions along the  
length of the filamentous article or rotating substrate, wherein the periods of the rolls  
10 improve the uniformity of the coating. For coatings applied to a rotating substrate, the  
uniform wet coating is transferred to the filamentous article. The final coating can be very  
thin, very uniform and completely or substantially void-free. The coating improvement  
can be quickly and easily obtained using low cost equipment.